



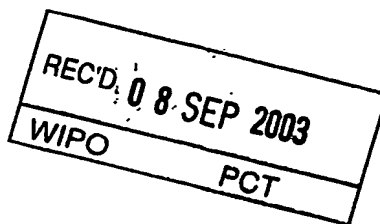
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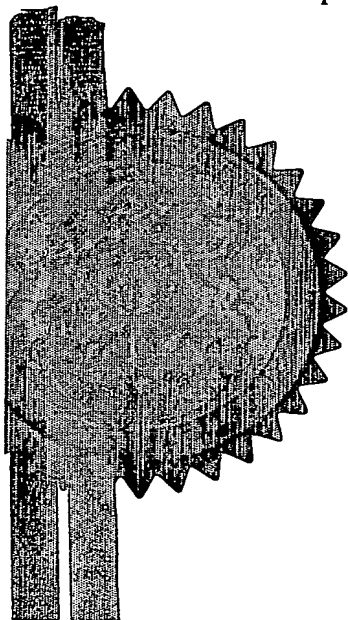
I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

I also certify that by virtue of an assignment registered under the Patents Act 1977, the application is now proceeding in the name as substituted.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

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Signed

P. Mahoney

Dated

19 August 2003



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GB 0226119.6

By virtue of a direction given under Section 30 of the Patents Act 1977, the application is proceeding in the name of

ADAM RICHARD YAFFE,
48 Ringley Road,
Whitefield,
MANCHESTER,
M45 7LL
United Kingdom

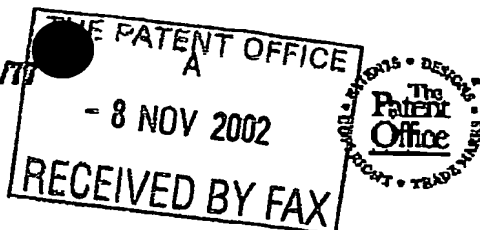
[ADP No. 08683237001]

and

RONNIE MALCOLM YAFFE,
48 Ringley Road,
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[ADP No. 08683245001]

Patents Form 1/77

Patents Act 1977
(Rule 16)08NOV02 E762187-1 000350
P01/7700 0:00-0226119.6**Request for grant of a patent**

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form.)

The Patent Office

Cardiff Road
Newport
South Wales
NP10 8QQ**1. Your reference**

RH/JSW/P/21773.GB

2. Patent application number

(The Patent Office will fill in this part)

0226119.6

08 NOV 2002

3. Full name, address and postcode of the or of each applicant (underline all surnames)Martin Yaffe International Limited,
Arrow Mill,
Queensway,
Rochdale,
OL11 2QJ

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

United Kingdom

SECTION 30 (1977 ACT) APPLICATION FILED, 24.07.03
8258014001**4. Title of the invention**

Re-Sealable Container

5. Name of your agent (if you have one)

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

WILSON GUNN M'CAW
41-51 ROYAL EXCHANGE
CROSS STREET
MANCHESTER
M2 7BD

Patents ADP number (if you know it)

7153927001

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number
(if you know it)Date of filing
(day / month / year)**7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application**

Number of earlier application

Date of filing
(day / month / year)**8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:**

- a) any applicant named in part 3 is not an inventor, or
- b) there is an inventor who is not named as an applicant, or
- c) any named applicant is a corporate body.

See note (d))

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Continuation sheets of this form

Description 05

Claim(s)

Abstract

Drawing(s) 03

only 8

10. If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for preliminary examination and search (Patents Form 9/77)

Request for substantive examination (Patents Form 10/77)

Any other documents (please specify)

11.

I/We request the grant of a patent on the basis of this application.

Signature *U2*

Date 8 Nov 2002

12. Name and daytime telephone number of person to contact in the United Kingdom

Richard Hill 0161 827 9400

Warning

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- 1 -

Re-Sealable Container

This invention relates to a re-sealable container and, particularly but not exclusively to a drinks container which has a ring pull for opening.

Re-sealable ring pull containers are known, however, usually such
5 containers have very sophisticated mechanisms for re-sealing the container or, alternatively, the mechanism is relatively simple but the re-sealing is not particularly efficient.

The present invention is directed to this problem and has as its object the provision of a very simple mechanism which gives a particularly
10 efficient and secure resealing of the container.

Thus and in accordance with the present invention therefore there is provided a container having an opening mechanism for opening at least a part of the container to allow access to the contents thereof, said opening mechanism comprising an opening member moveable by the user
15 into a position where it is urged against at least a part of the container, said urging causing said part to be separated from remaining container material to form an aperture through which the contents of the container can be accessed wherein said opening member is further moveable after the container has been opened, into a position where it engages with
20 securing means which acts to urge at least a part of the member into sealing contact with the aperture.

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With this arrangement it is possible to provide a re-sealable container with a simple opening and resealing mechanism with which a secure resealing of the container can be achieved.

The invention will now be described further by way of example
5 only and with reference to the accompanying drawings, in which: -

Figs 1a and 1b: show a diagrammatic representation from above of one form of re-sealable container in accordance with the present invention in respectively an open and a closed position;

10 Fig 2: shows a diagrammatic representation from below of the re-sealable container of figure 1 in respectively an open and closed position: and

Fig 3: shows a perspective view from the top of the re-sealable container of figures 1 and 2.

15 Referring now to the figures, there is shown in figures 1a and 1b, a top 10 of a container 11 incorporating an opening mechanism 12 in the form of a ring pull.

The container 11 can take any desired shape as appropriate and can be formed from any suitable material as desired or as appropriate.

20 The ring pull 12 is securely anchored to the top of the container by a pin 13 which extends through the material of the top 10 of the container 11 as shown in figures 2a and 2b. The ring pull 12 comprises a shaped member having a depression 14 to form a finger grip at one end and an

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opposite end 16 which is shaped so as to be able to act on the container material when it is desired to open the container. An underside 16 of the ring pull 12 is shaped so as to fit in sealing relationships with a dispense aperture formed when the container is opened in a manner to be
5 hereinafter described.

In use, a container 11 is provided with an opening mechanism 12 as described above. The closed position of the container 11 is shown in figure 1a. To open the container 11, to gain access to the contents, a users finger is used to lift the ring pull mechanism 12 at the end of the
10 ring pull in which the depression 14 is provided lifting the ring pull 12 causing the ring pull to pivot about the attachment pin 13 and further lifting brings the opposite end 16 of the ring pull 12 into contact with the container material.

In the area 17 of the container top where the opposite end 16 of
15 the ring pull contacts on lifting of the ring pull is provided, an area of material which is formed so as to be separable from the remainder of the material from which the container is formed, for example by being relatively thin or otherwise adapted. Therefore as the ring pull 12 is lifted, the pressure exerted by the opposite end 16 on this area 17
20 separates the material in that area from the remaining container material to form a dispense aperture 18 in which the contents of the container can be accessed. The area of material 17 may separate completely from the surrounding material or may remain attached to the remaining material.

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The ring pull 12 can now be lowered so as to allow the contents of the container to be accessed. This open position is shown in figure 1b

If it is desirable to re-seal the container in order that the contents cannot escape from the container through the dispense aperture 18, this
5 can be achieved as follows.

The ring pull 12 is arranged to be rotatable relative to the remaining container about the pin 13 by which it is anchored to the container.

In order to seal the aperture 18 after the container has been opened, the ring pull 13 is rotated about the pin 13 until the finger grip
10 part of the member overlies the aperture. The finger grip part can then be moved downwardly into engagement with the dispense aperture 18 to close off the opening. It will be appreciated that such a mechanism will seal the opening relatively securely but in order to increase the security of the sealing, in the present arrangement, a ramp surface 19 (see figure 3) is
15 provided on the container top. The ramp surface 19 may be formed integrally with the container or may be attached thereto as a separate part. Alternatively the ramp surface 19 may be provided on the ring pull. The ramp surface is shown in figure 3.

In either case, the ramp surface 19 is arranged so as to be inclined
20 upwardly away from the dispense aperture 18 whereby as the ring pull 12 is rotated the opposite end 16 of the ring pull 12 engages the ramp 19 and is guided upwards up the ramp as the rotational movement continues. This upward movement of the opposite end 16 of the ring pull 12, results

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In an equivalent downward movement of the finger grip end of the ring pull which is urged downwardly into sealing engagement with the aperture thereby increasing the sealing effect.

The container can be further modified so as to include depressions
5 21 adjacent to the side of material 17 and the finger grip of the ring pull so as to enable the finger grip to be lifted for movement either to open the container or to remove the ring pull from the dispense aperture when the container is closed to allow access.

It will of course be realised that the arrangement of the present
10 invention will offer a significantly greater sealing to an opened container as compared to existing arrangements. In the case where carbonated or sparkling drinks are contained within the container, the sealing effect will be further enhanced by the vacuum contained in the container above the liquid.

15 Further more, the opening mechanism is almost as simple in its construction as a non-sealing conventional ring pull opening mechanism and therefore it will be appreciated that the additional costs to manufacturers of such containers in to produce re-sealable containers with guard sealing is relatively small as compared to existing more
20 elaborate or sophisticated resealing arrangements.

It is of course to be understood that the invention is not intended to be restricted to the details of the above embodiments which are described by way of example only

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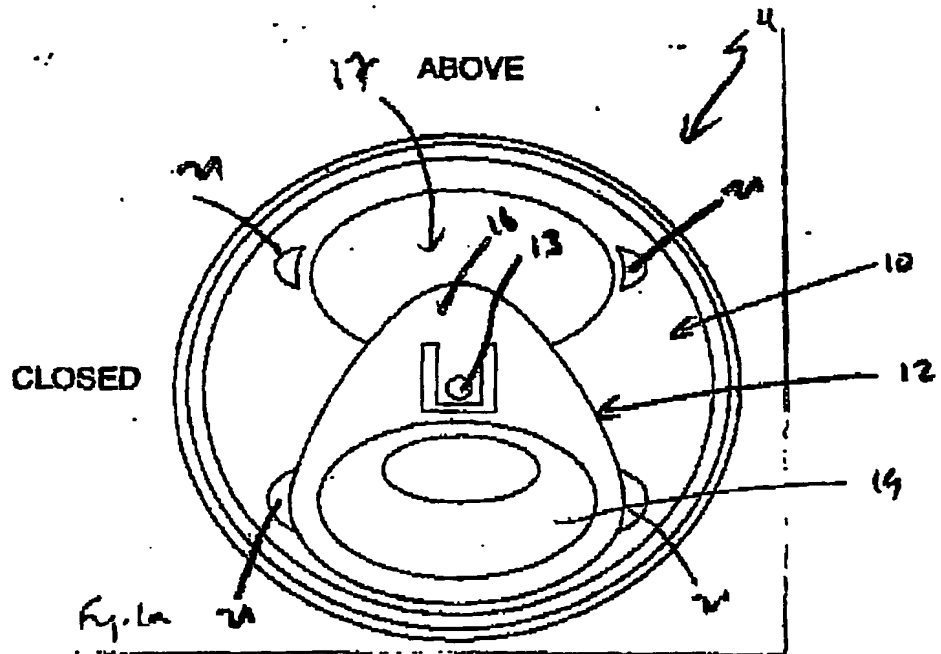


Fig. 1a

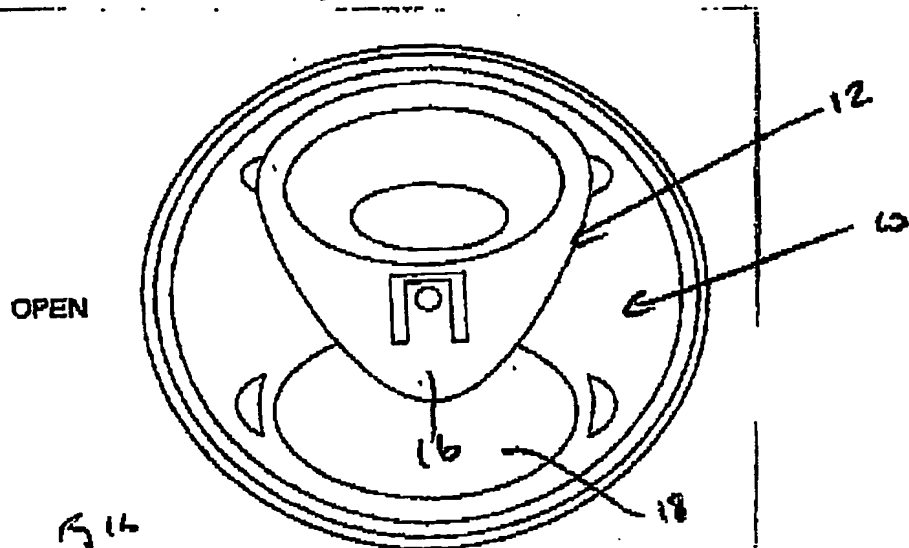
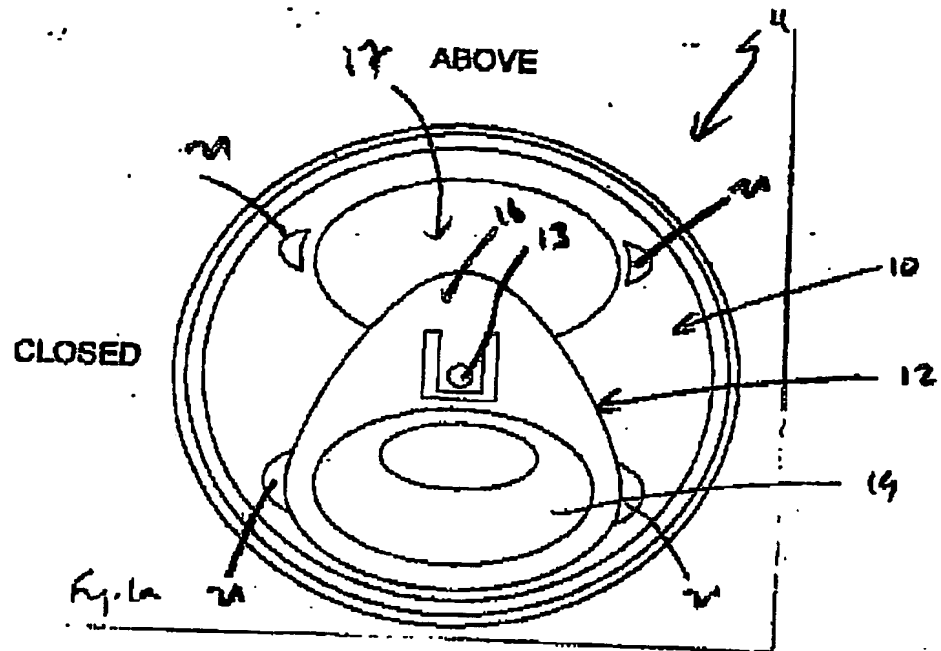


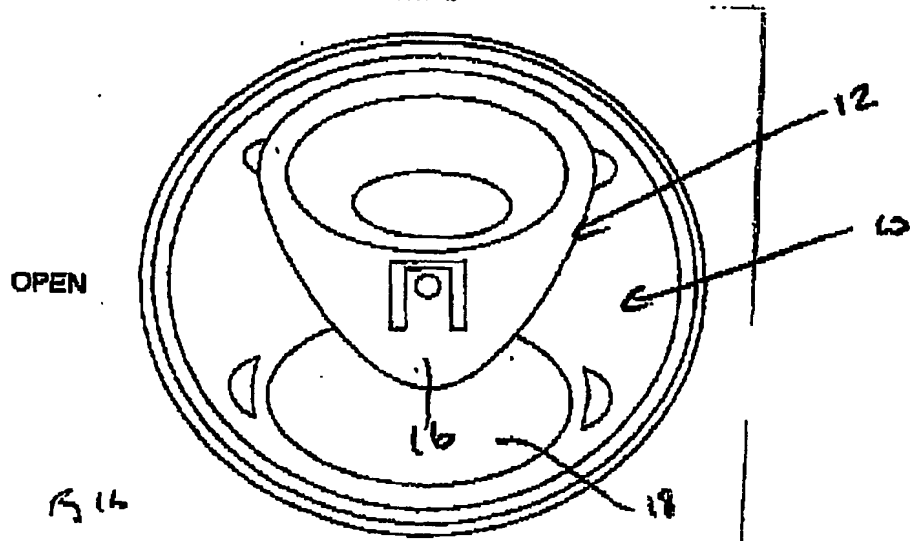
Fig. 1b

Fig. 1b

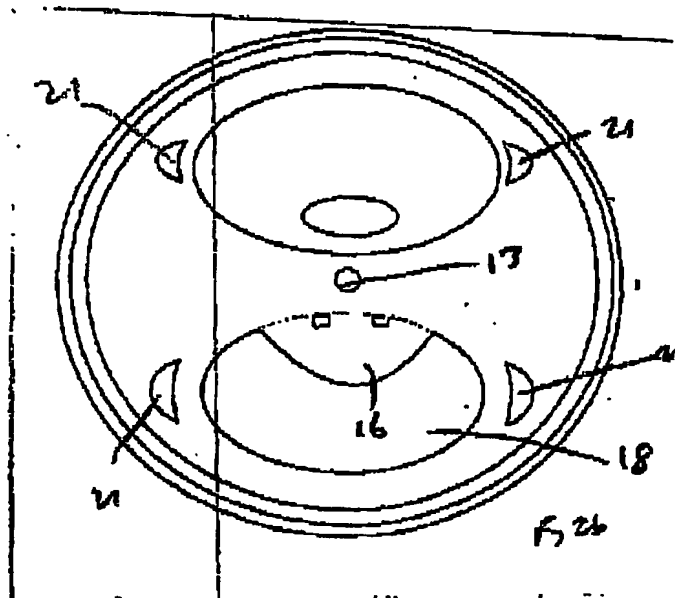
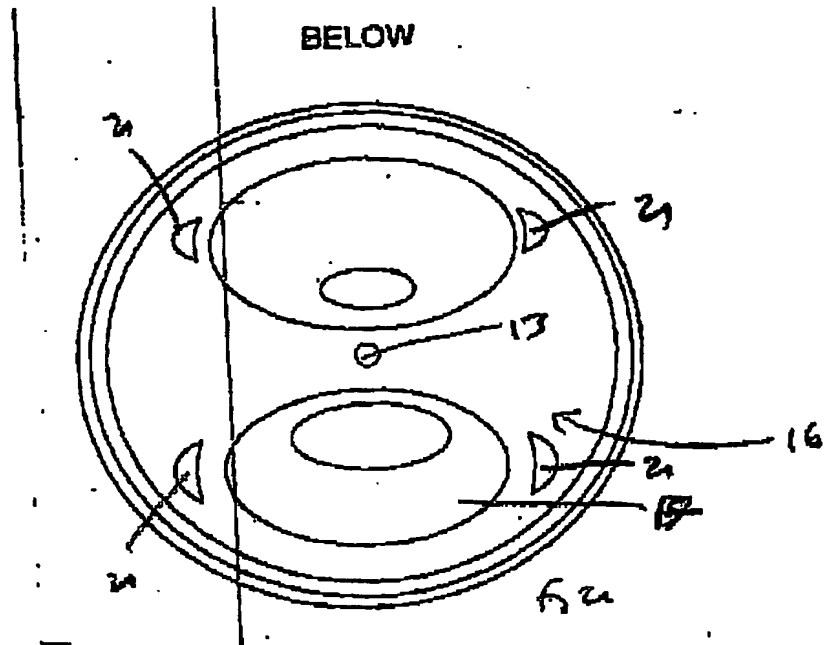
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R6-1a



R6-1b



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